Lewis and Clark and the Missouri National Recreational River

by George Berndt, Chief of Interpretation, MNRR

(MNRR). And much has changed along Lewis and Clark's route since the Corps of Change is a constant on the free-flowing reaches of the Missouri National Recreation River

living river—sandbars, snags, and meanders—that the expedition would most certainly recogfeatures that the party saw and described in their journals. But a good amount remains of this Discovery traveled this part of the Missouri River almost two hundred years ago. Both human and natural forces have altered or obliterated many historic and natural

the historic Missouri: on the Nebraska side at the Mulberry Bend Bridge connect-Niobrara State Park. Two bridge overlooks also give travelers a clearer sense of Two of the finest are from scenic overlooks at Nebraska's Ponca State Park and

Memorial Bridge near Running Water. ing Vermillion, S.D., and Newcastle, Neb., and the other on the South Dakota side at the Chief Standing Bear

called it the "barking squirrel." We know it today as the prairie dog. Close to this round knob, Lewis and Clark saw a small animal known by its French name as Petite Chien. Lewis Ionia Volcano five miles north of Newcastle and The Tower (Old Baldy) about seven miles north of Lynch, Neb. being on the Great Plains. Historic locations provide good views of the river and surrounding lowlands, such as The lay of the land largely corresponds with that described in the expedition's journals and proffers a sense of

the public about the Corps of Discovery expedition at the visitor center and at various locations along the Mis-Army Corps of Engineers. The corps and National Park Service provide information and interpretive services to Visitors can take advantage of the scenic views from the Lewis and Clark Visitor Center operated by the U.S.



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A publication about the Missouri National Recreational River for stakeholders

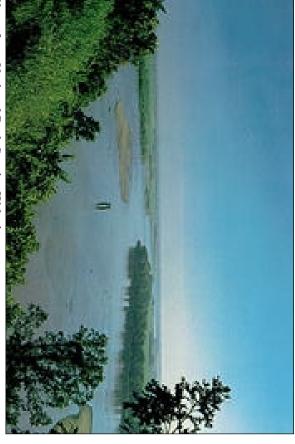


Photo from National Park Service Web site

Point Dam to Ponca, Ne reach of the Missouri National Recreational River that extends from below Gavins This year marks the 25th anniversary of the legislation designating the lower

Legislation reac 25th anniversa

of the National Wild and Scenic Rivers System. of the Missouri National Recreational River (MNRR) as a segment It has been 25 years since legislation designated the lower reach

studies, and steam boat studies. general management plans for the MNRR, constructed cost-shared Master Manual. Accomplishments range from the development of sturgeon were all added to the threatened and endangered species within the MNRR-the least tern, the piping plover and the pallid as a cultural resources site survey, recreational use studies, fisheries list. Other changes include decline of forested habitat due to erosion since the 1978 legislation, which authorized the Missouri National construction projects and the carrying out of numerous studies such recreation projects, bank protection projects and environmental and clearing, and the review and update of the Missouri River Recreational River. Changes include federal listing of t A number of changes and accomplishments have taken place hree species

greater public, agency and Tribal awareness and involvement. One of the primary goals set for the next 25 years is to seek

About the Missouri National Recreational River

administrator of the MNRR, however, National Park Service is the overall construction projects on the river. The newsletter is to present current infor-Omaha District. The purpose of this support the values for which the river ational river features as necessary to the river. The corps is authorized to have management responsibilities over both the corps and the park service construct recreational development, mation about various corps studies and by the U.S. Army Corps of Engineers, River Newsletter (MNRR) is produced bank stabilization and other recre-The Missouri National Recreational

Quick Facts (MNRR background):

- Scenic Rivers Act of 1968 (PI and Recreation Act (PL 95-625), amendment to the National Parks MNRR was authorized by a 1978 which amended the Wild and
- approximately \$5 million has funding ceiling of \$21 million; MNRR has a life-of-project been spent to date.
- agency's responsibilities. tive Agreement outlining each In 1980, the corps and National Park Service signed a Coopera-
- environmental emphasis. Bank was updated in 1999 with an component, primarily to protect protection remains a project The General Management Plan



2002. To view construction, visit www.Channellconstruction.com The construction contract for the Ponca Resource and Education Center was awarded to Channell Construction Company in September

Education Center nears completion Ponca State Park Resource and

Park is nearing completion. The project is scheduled to be dedicated sometime in the fall of 2003. Work on the Missouri National Recreational River Resource and Education Center, located within Ponca State

"Enthusiastic team work across the board has helped make this project a success," says corps project manager

construction by the corps and an exhibit wing and exhibits funded by the National Park Service. of Roads, utilities design and construction by the Nebraska Game and Parks Commission, building design and Education Center consists of the following components: road design and construction by the Nebraska Department A cost-shared project between the corps and the Nebraska Game and Parks Commission, the Resource and

\$1.5 million set aside for exhibits and \$2.8 million for dam, roads, parking, utilities and all other items. Bereuter. Total cost of the project is estimated at \$7.4 million, with \$3.1 million being allotted to the building, Nelson, Tim Johnson, Chuck Hagel, Tom Daschle, and former senator Bob Kerry as well as Representative Doug Also, the project has received wide support from various congressional representatives including Senators Ben

conferencing, interpretive display and a laboratory. Also, the facility meets a unique criteria. This too has proven to be a challenge because the project calls for a new facility and construction type for the corps design team and able phased construction and combining four functional areas into a single facility to include administration, construction management team. funding through construction cost-share sources is dynamic. Another challenge is the issue with managing prob-During work on the project, a number of challenges have arisen, Allen says. One of the first obstacles is that

now planning new cabins and a lodge facility to accommodate overnight stays as well as multi-day usage of the Despite obstacles, the project is headed down a steady road to successful completion, Allen says. "The state is

MNRR project t briefs/updates

protection projects Agencies collaborate on bank The U.S. Army Corps of Engi-

together to develop bioengineering B-1) and Mulberry Bend (Site A-3) methods for the Myron Grove (Site National Park Service are working bank protection projects for forested neers, Fish and Wildlife Service, and

Ponca Restoration Study in

on state-owned land. The timing of design report and environmental 35 to 40 acres of backwater habitat public review at the end of June. The construction is subject to funding output of the construction would be assessment will be available for The Ponca Restoration draft

Bighead Carp study results

gage in another year of data colleccently completed. If funding becomes was a two-year effort that was repaddlefish). The Bighead Carp study pattern has the potential to reduce species of fish that feeds on zoopadded to the corps' MNRR Web site the recently completed study will be tion on bighead carp. Results from Wildlife Service would like to enavailable, the South Dakota Fish and other planktivorous fish (such as the water column. It's feeding some phytoplankton (microscopic lankton (microscopic animals) and zooplankton and phytoplankton for plants) and detritus (dead matter) in at: http://www.nwo.usace.army.mil/ larval native fish, native mussels, and <u>ntml/pd-e/environmental.htm</u>

Final degradation study report

second have dropped an average of 7 discharge 30,000 cubic feet per The water surface levations at a

> since dam closure is about 132 acres per year for this reach. feet from 1956 to 2001. Bank erosion

pleted this spring.

broadly-defined wrecks on the MNRR

The project is scheduled to be com-

Magnetometer study

accessed on the corps' MNRR Web report outlining the findings can be boats in the MNRR in order to avoid future construction at those sites. A the locations of many sunken steam-This study was conducted to find

Geomorphic assessment seeks retreat rates

the geomorphic features of the MNRR in a geographic information system working to produce a plain-view including easements and structures. alternatives for remedying conditions, (GIS) utilizing aerial photos and classification and statistical analysis of where erosion can be expected, and bank retreat rates. This study will historic cross-section data to quantify provide information to determine sites The National Park Service is

cultural and natural history Wayside exhibits to showcase

value to showcase natural and cultural sellers) properties recognized as is working to acquire (from willing Public Land, the National Park Service having great resource and recreational In a joint effort with the Trust for

Steamboat study underway

producing a documented overview of steamboating, steamboat sites and The National Park Service is

Project Spirit Mound Historic Prairie Restoration and Interpretation of

Fish and Parks will produce wayside tion this summer. cultural and natural legacy of the site. and trailhead exhibits interpreting the South Dakota Department of Game, involving the Spirit Mount Trust and near Vermillion, S.D. The partnership Spirit Mound Historic Prairie Project and interpretation of the 320-acre the project is scheduled for comple-Work continues on the restoration

Sturgeon virus sampling

velop an understanding of the natufrom each fish and sampled for analywere collected and tissue was taken sturgeon. Fifty shovelnose sturgeon iridovirus in wild populations of rally-occurring presence of the This study was conducted to de-

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rps of Engineers' MNRR Web site at: Check out the U.S. Army

http://www.nwo.usace.army.mil/html/pd-e/environmental.htm

and the National Park Service Web site at: http://www.nps.gov/mnrr